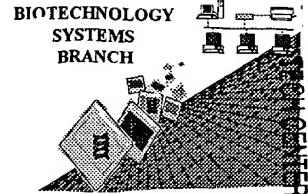


1614



MAR 01 2002

RECEIVED

CRF Problem Report

The Scientific and Technical Information Center (STIC) experienced a problem when processing the following computer readable form (CRF):

Application Serial Number: 09/943,075
Filing Date: 8/30/2001
Date Processed by STIC: 2/14/2002

STIC Contact: Mark Spencer, 703-308-4212

Nature of Problem:

The CRF (was):

(circle one) Damaged or Unreadable (for Unreadable, see attached)
 Blank (no files on CRF) (see attached)
 Empty file (filename present, but no bytes in file) (see attached)
 Virus-infected. Virus name: _____ The STIC will not process the CRF.
 Not saved in ASCII text
 Sequence Listing was embedded in the file. According to Sequence Rules, submitted file should **only** be the Sequence Listing.
 Did not contain a Sequence Listing. (see attached sample)
 Other:

PLEASE USE THE CHECKER VERSION 3.1 PROGRAM TO REDUCE ERRORS.

SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mail One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service , or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



OIPE

**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,075A

DATE: 06/17/2002

TIME: 15:51:47

Input Set : A:\EP.txt

Output Set: N:\CRF3\06172002\I943075A.raw

4 <110> APPLICANT: Popoff, Steven N.
 5 Safado, Faye F.
 6 Owen, Thomas A.
 7 Smock, Steven L.
 9 <120> TITLE OF INVENTION: Osteoactivin Protein and Nucleic Acids Encoding the Same,
 10 Compositions and Methods of Stimulating Bone Differentiation
 12 <130> FILE REFERENCE: 71369.262
 14 <140> CURRENT APPLICATION NUMBER: US 09/943,075A
 15 <141> CURRENT FILING DATE: 2001-08-30
 17 <150> PRIOR APPLICATION NUMBER: US 60/229,006
 18 <151> PRIOR FILING DATE: 2000-08-30
 20 <160> NUMBER OF SEQ ID'NOS: 8
 22 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

490 <210> SEQ ID NO: 8
 491 <211> LENGTH: 1683
 492 <212> TYPE: DNA
 493 <213> ORGANISM: Human
 495 <400> SEQUENCE: 8
 496 atgaaaatc tctactattt cctgggattt ctgctcctgg ctgcaagatt gccacttgat 60
 497 gcccccaaac gatttcatga tggctgggc aatgaaaagac cttctgtta catgaggagg 120
 498 cacaatcaat taaatggctg gtcttctgtat gaaaatgact ggaatgaaaaa actctaccca 180
 499 gtgtggaaac gggagacat gaggtggaaa aactccctggaa agggaggccg tggcaggcg 240
 500 gtcctgacca gtgactcacc agccctcgta ggctcaata taacatttgc ggtgaacctg 300
 501 atatccctata catggaaaaa ggaatgatgcc aatggcaaca tagtctatga gaagaactgc 360
 502 agaaaatgagg ctggtttata tgctgatcca tatgtttaca actggacagc atggtcagag 420
 503 gacagtgcg gggaaaaatgg caccggccaa agccatcata acgtcttccc tgatggaaa 480
 504 ccttttccctc accccccccg atggagaaga tggatttca tctacgtctt ccacacactt 540
 505 ggtcgtattt tccagaaaatgg gggacgtgtt tcgtgagag ttctgtgaa cacagccaat 600
 506 gtgacacttg ggcctcaact catggaaatgg actgtctaca gaagacatgg acggccatata 660
 507 gtcccatcg cacaatgttggaa agatgtgtac gtgtgttacatc atcgttccatcg tggatgttgc 720
 508 actatgttcc agaagaacgca tcgaaaattca tccgacgaaa cttctctca agatctcccc 780
 509 attatgtttt atgttctgtat tcgtatccctt agccacttcc tcaatttttcc taccattaa 840
 510 tacaatgttgc gcttggggaa taatacttggc ctgtttgtttt ccaccaatca tactgtgaat 900
 511 cacacgtatg tgcataatgg aacccatcg cttaaatccatca ctgttggaaatgg tgcacccatca 960
 512 ggaccttgc tcgccccccg accacccatcc agacccatca aacccaccc ttcttttagga 1020
 513 cctgctgggtt acaacccatcc ggagctgtgtt aggatttccatcg atggaaatgtt ccagatata 1080
 514 agataaggct actttcaacgc caccatcaca attgttagagg gaatctttaga ggttaacatc 1140
 515 atccagatgtt cagacgttccatcg tgcacccatcc aaagctccatc aatagactttt 1200
 516 gtctgttgcacatcg cttccatccatcg gatgttgcacatcg ccatcatccatcg tgacccatcc 1260

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/943,075A

DATE: 06/17/2002

TIME: 15:51:47

Input Set : A:\EP.txt

Output Set: N:\CRF3\06172002\I943075A.raw

517 tgcgagatca cccagaacac agtctgcagc cctgtggatg tggatgagat gtgtctgtc 1320
518 actgtgagac gaaccttcaa tgggtctggg aactactgtg tgaacctcac cctggggat 1380
519 gacacaagcc tggcttcac gagcacccctg atttctgttc ctgacagaga cccagctcg 1440
520 ctttaagga tggcaaacag tgcctgtatc tccgttggtc gcttggccat atttgtcact 1500
521 gtatctccc tcitgtgtaa caaaaaacac aaggaataca accaataga aaatagtct 1560
522 gggaatgtgg tcagaagcaa aggctgagt gtcttctca accgtcaaa agccgtgttc 1620
523 ttcccggaa accaggaaaa ggatccgcta ctaaaaacc aagaatttaa aggagttct 1680
524 taa 1683

E--> 527 71369-262.st25
E--> 531 1
E--> 532 boston 1436030v1

delete

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/09/943,075A

DATE: 06/17/2002
TIME: 15:51:48

Input Set : A:\EP.txt
Output Set: N:\CRF3\06172002\I943075A.raw

Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:8; N Pos. 1689

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/943,075A

DATE: 06/17/2002
TIME: 15:51:48

Input Set : A:\EP.txt
Output Set: N:\CRF3\06172002\I943075A.raw

L:527 M:254 E: No. of Bases conflict, LENGTH:Input:25 Counted:1687 SEQ:8
L:527 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:10
L:527 M:112 C: (48) String data converted to lower case,
M:254 Repeated in SeqNo=8
L:532 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
L:532 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:9
M:112 Repeated in SeqNo=8
L:532 M:252 E: No. of Seq. differs, <211> LENGTH:Input:1683 Found:1694 SEQ:8